

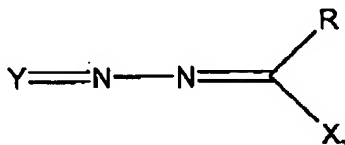
Application No. 10/775,429

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Currently Amended) An organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

a) a charge transport material having the following formula:



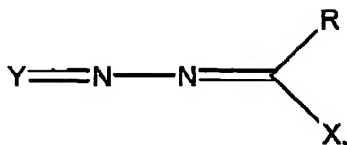
where R comprises a hydrogen, an alkyl group, an alkenyl group, a heterocyclic group, or an aromatic group; X comprises an arylamine group selected from the group consisting of a carbazole group, a julolidine group and a triphenyl amine group; and Y comprises a 9-fluorenylidene group having at least a solubilizing substituent, wherein the solubilizing substituent comprises a $-(\text{CH}_2)_n\text{H}$ group where n is an integer between 1 and 50, and one or more of the methylene groups is optionally replaced by O, S, $[(\text{C}),]$ B, $[(\text{Si}),]$ P, C=O, O=S=O, a heterocyclic group, an aromatic group, a ~~CR₃ group~~, a CR_cR_d group, or a SiR_cR_d where $[(\text{R}_a, \text{R}_b),]$ R_c, R_d, R_e, and R_f are, each independently, a ~~bond~~, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, a heterocyclic group, or an aromatic group, ~~or part of a ring group~~; and

(b) a charge generating compound.

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2. (Original) An organophotoreceptor according to claim 1 wherein X comprises a p-(N,N-disubstituted)arylamine group, a carbazole group, or a julolidine group.
3. (Original) An organophotoreceptor according to claim 1 wherein the solubilizing substituent comprises a $-C(=O)O-R_5$ group where R_5 is an alkyl group, an alkenyl group, or an aromatic group.
4. (Original) An organophotoreceptor according to claim 1 wherein the 9-fluorenylidene group further comprises at least a substituent selected from the group consisting of a halogen, a NO_2 group, a cyano group, a hydroxyl group, a thiol group, a carboxyl group, an amine group, an ester group, an alkyl group, an alkoxy group, an alkenyl group, and an aromatic group.
5. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a second charge transport material.
6. (Original) An organophotoconductor according to claim 5 wherein the second charge transport material comprises an electron transport compound.
7. (Original) An organophotoreceptor according to claim 1 wherein the organophotoreceptor is in the form of a drum or a belt.
8. (Currently Amended) An electrophotographic imaging apparatus comprising:
 - (a) a light imaging component; and
 - (b) an organophotoreceptor oriented to receive light from the light imaging component, the organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:
 - (i) a charge transport material having the formula

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where R comprises a hydrogen, an alkyl group, an alkenyl group, a heterocyclic group, or an aromatic group; X comprises an arylamine group selected from the group consisting of a carbazole group, a julolidine group and a triphenyl amine group; and Y comprises a 9-fluorenylidene group having at least a solubilizing substituent, wherein the solubilizing substituent comprises a $-(CH_2)_nH$ group where n is an integer between 1 and 50, and one or more of the methylene groups is optionally replaced by O, S, $[[C,]]$ B, $[[Si,]]$ P, C=O, O=S=O, a heterocyclic group, an aromatic group, ~~an NR_a group, a CR_b group,~~ a CR_cR_d group, or a SiR_eR_f where $[[R_a, R_b,]]$ R_c , R_d , R_e , and R_f are, each independently, ~~a bond,~~ H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, a heterocyclic group, or an aromatic group, ~~or part of a ring group~~; and

(ii) a charge generating compound.

9. (Original) An electrophotographic imaging apparatus according to claim 8 wherein X comprises a p-(N,N-disubstituted)arylamine group, a carbazole group, or a julolidine group.
10. (Original) An electrophotographic imaging apparatus according to claim 8 wherein the solubilizing substituent comprises a $-C(=O)O-R_5$ group where R_5 is an alkyl group, an alkenyl group, or an aromatic group.
11. (Original) An electrophotographic imaging apparatus according to claim 8 wherein the 9-fluorenylidene group further comprises at least a substituent selected from the group consisting of a halogen, a NO_2 group, a cyano group, a hydroxyl group, a thiol group, a carboxyl group, an amine group, an ester group, an alkyl group, an alkoxy group, an alkenyl group, and an aromatic group.

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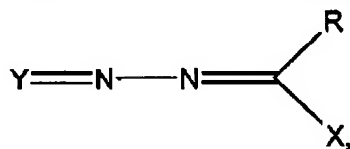
12. (Original) An electrophotographic imaging apparatus according to claim 8 wherein the photoconductive element further comprises a second charge transport material.

13. (Original) An electrophotographic imaging apparatus according to claim 12 wherein the second charge transport material comprises an electron transport compound.

14. (Original) An electrophotographic imaging apparatus according to claim 8 further comprising a toner dispenser.

15-20 (Cancelled)

21. (Currently Amended) A charge transport material having the following formula,



where R comprises a hydrogen, an alkyl group, an alkenyl group, a heterocyclic group, or an aromatic group; X comprises an arylamine group selected from the group consisting of a carbazole group, a julolidine group and a triphenyl amine group; and Y comprises a 9-fluorenylidene group having at least a solubilizing substituent, wherein the solubilizing substituent comprises a $-(\text{CH}_2)_n\text{H}$ group where n is an integer between 1 and 50, and one or more of the methylene groups is optionally replaced by O, S, $[[\text{C},]]$ B, $[[\text{Si},]]$ P, C=O, O=S=O, a heterocyclic group, an aromatic group, a CR_b group, a CR_cR_d group, or a SiR_eR_f where $[[\text{R}_a, \text{R}_b,]]$ $\text{R}_c, \text{R}_d, \text{R}_e,$ and R_f are, each independently, a bond, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, a heterocyclic group, or an aromatic group, or part of a ring group.

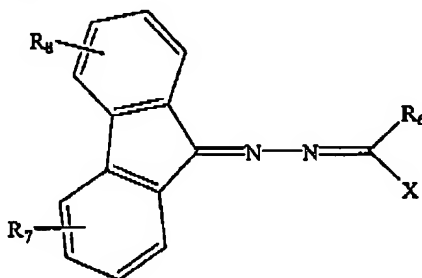
22. (Original) A charge transport material according to claim 21 wherein X comprises a p-(N,N-disubstituted)arylamine group, a carbazole group, or a julolidine group.

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23. (Original) A charge transport material according to claim 21 wherein the solubilizing substituent comprises a $-C(=O)O-R_5$ group where R_5 is an alkyl group, an alkenyl group, or an aromatic group.

24. (Original) A charge transport material according to claim 21 wherein the 9-fluorenylidene group further comprises at least a substituent selected from the group consisting of a halogen, a NO_2 group, a cyano group, a hydroxyl group, a thiol group, a carboxyl group, an amine group, an ester group, an alkyl group, an alkoxy group, an alkenyl group, and an aromatic group.

25. (Currently Amended) A charge transport material according to claim 21 wherein the charge transport material has formula:



where R_6 comprises a hydrogen, an alkyl group, an alkenyl group, a heterocyclic group, or an aromatic group; R_7 comprises a $-(CH_2)_nH$ group where n is an integer between 1 and 50, and one or more of the methylene groups is optionally replaced by O, S, $[[C,]]$ B, $[[Si,]]$ P, C=O, O=S=O, a heterocyclic group, an aromatic group, a CR_8 group, a CR_8R_9 group, or a SiR_8R_9 where $[[R_8, R_9,]]$ R_8 , R_9 , R_{10} , and R_{11} are, each independently, a bond, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, a heterocyclic group, or an aromatic group, or part of a ring group; R_8 comprises a hydrogen, a halogen, a NO_2 group, a cyano group, a hydroxyl group, a thiol group, a carboxyl group, an

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amine group, an ester group, an alkyl group, an alkoxy group, an alkenyl group, or an aromatic group; and X comprises an arylamine group selected from the group consisting of a carbazole group, a julolidine group and a triphenyl amine group.

26. (Original) A charge transport material according to claim 25 wherein R_8 is a hydrogen and R_7 comprises a $-C(=O)O-R_{13}$ group where R_{13} is an alkyl group, an alkenyl group, or an aromatic group.

27. (Original) A charge transport material according to claim 25 wherein X comprises a p-(N,N-disubstituted)arylamine group, a carbazole group, or a julolidine group.